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NOTICE OF ALLOWANCE AND FEE(S) DUE

23373

7590

01/15/2009

SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037 EXAMINER

SOOHOO, TONY GLEN

ART UNIT PAPER NUMBER

1797

DATE MAILED: 01/15/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/574,841	08/22/2006	Hikoroku Sugiura	Q94254	5032

TITLE OF INVENTION: METHOD FOR PURIFYING FLUID AND STATIC MIXER

APPLN.	TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprov	risional	YES	\$755	\$300	\$0	\$1055	04/15/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

appropriate. All further indicated unless correct maintenance fee notifica	ed below or directed oth	ng the Patent, advance on nerwise in Block 1, by (a	rders and notification a) specifying a new c	of n orres	naintenance fees w pondence address;	/ill be and/or	mailed to the current (b) indicating a sepa	corresp rate "F	oondence address as EE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)					Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
SUITE 800	ION, PLLC LVANIA AVENUE	, N.W.			Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.				
WASHINGTON	N, DC 20037								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CON	FIRMATION NO.
10/574,841 TITLE OF INVENTION	08/22/2006 i: METHOD FOR PURII	FYING FLUID AND STA	Hikoroku Sugiura ATIC MIXER	a			Q94254		5032
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	OUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	T	DATE DUE
nonprovisional	YES	\$755	\$300		\$0	'	\$1055		04/15/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	3					
SOOHOO, TONY GLEN 1797			210-221200	_					
"Fee Address" ind PTO/SB/47; Rev 03-(Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un	ND RESIDENCE DATA less an assignee is ident h in 37 CFR 3.11. Comp	" Indication form	data will appear on the	rnativesingle or a strong libe or type he page an a	vely, e firm (having as a gent) and the nam rneys or agents. If printed. be) atent. If an assign assignment.	memb es of uj no nam	er a 2er a p to ge is 3er below, the definition of t	ocumen	it has been filed for
Please check the appropri	iate assignee category or	categories (will not be pr	rinted on the patent):		Individual 🖵 Co	orporati	on or other private gro	oup enti	ty 🗖 Government
4a. The following fee(s) Issue Fee Publication Fee (N Advance Order -	permitted)	 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 							
5. Change in Entity Sta	itus (from status indicated as SMALL ENTITY state		☐ b. Applicant is no	o Ions	per claiming SMAI	L EN	ΓΙΤΥ status. See 37 CI	∃R 1 27	'(g)(2)
* *		uired) will not be accepte tes Patent and Trademark	* *	•					
interest as snown by the	records of the Officed Sta	nes Patent and Trademark	Comee.						
Authorized Signature			Date						
Typed or printed name	ne		Registration No.						
an application Confiden	tiality is governed by 35 dapplication form to the ions for reducing this bu. Virginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th O NOT SEND FEES OR	1.14 This collection i	e eet	imated to take 12 i	minutec	to complete includin	a antho	ring preparing and

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10/574,841	08/22/2006	Hikoroku Sugiura	Q94254	5032	
23373 75	590 01/15/2009		EXAMINER		
SUGHRUE MIO	N, PLLC	SOOHOO, TONY GLEN			
	ANIA AVENUE, N.W	ART UNIT	PAPER NUMBER		
SUITE 800 WASHINGTON, I	OC 20037		1797 DATE MAILED: 01/15/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 211 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 211 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/574,841	SUGIURA, HIKOROKU	
Notice of Allowability	Examiner	Art Unit	_
	Tony G. Soohoo	1797	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comm GHTS. This application is and MPEP 1308.	n this application. If not included unication will be mailed in due course. THIS	Э
2. The allowed claim(s) is/are 2,5,7,8,12,13,16,17 and 19-21.			
 3. Acknowledgment is made of a claim for foreign priority unanal All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents 	been received. been received in Applicati	on No	
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give [as a continuous of the continuous of th	itted. Note the attached EXes reason(s) why the oath of the submitted. son's Patent Drawing Reviews Amendment / Comment of the header according to 37 C sit of BIOLOGICAL MAT	AMINER'S AMENDMENT or NOTICE OF or declaration is deficient. w (PTO-948) attached or in the Office action of the drawings in the front (not the back) of FR 1.121(d). TERIAL must be submitted. Note the	
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview S Paper No 7. ☑ Examiner's	nformal Patent Application Summary (PTO-413), //Mail Date s Amendment/Comment s Statement of Reasons for Allowance	

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DETAILED ACTION

Election/Restrictions

1. Claims 7-8 are directed to an <u>allowable product</u>. Pursuant to the procedures set forth in MPEP § 821.04(b), **claims 2**, **5**, **13**, **16**, **17**, **19** and **20** are, directed to the process of making or <u>using the allowable product</u>, previously withdrawn from consideration as a result of a restriction requirement, **are hereby rejoined** and fully examined for patentability under 37 CFR 1.104. **Claims 1**, **3**, **6**, **14**, **15**, **18**, directed to the invention(s) of a method of purifying using a collision cylinder <u>does not require all</u> the limitations of an allowable product claim, and has NOT been rejoined.

Because a claimed invention previously withdrawn from consideration under 37 CFR 1.142 has been rejoined, the restriction requirement among groups of Group I (claims 2, 5, 13, 16, 17, 19 and 20) and Group II (apparatus/product) as set forth in the Office action mailed on 05/20/2008 is hereby withdrawn. In view of the withdrawal of the restriction requirement as to the rejoined inventions, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

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2. This application is in condition for allowance except for the presence of Claims 1,

3, 6, 14, 15, 18, directed to invention non-elected without traverse on 5/30/2008.

Accordingly, claims 1, 3, 6, 14, 15, 18 been cancelled.

Examiner's Amendment

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the claims;

The following claims have been cancelled:

Cancel claims 1, 3, 6, 14, 15, 18.

Allowable Subject Matter

4. Claims 2, 5, 7-8, 12-13, 16, 17, 19, 20, and 21 are allowed.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Sugiura 5928509 discloses a method of purifying utilizing a collision cylinder.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tony G. Soohoo whose telephone number is (571) 272 1147. The examiner can normally be reached on 8AM-5PM, Mon-Thurs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David R. Sample can be reached on 571-272-1376. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Tony G Soohoo/ Primary Examiner, Art Unit 1797 Tony G Soohoo Primary Examiner Art Unit 1797